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PATENT

Case Docket No. NIH214.001C1

Date: August 31, 2004

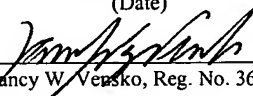
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Whitehead et al.
Appl. No. : 10/719,547
Filed : November 21, 2003
For : DEVELOPMENT OF
MUTATIONS USEFUL FOR
ATTENUATING DENGUE
VIRUSES AND CHIMERIC
DENGUE VIRUSES
Examiner : Unknown
Group Art Unit : 1648

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Amendment, Commissioner for Patents, P.O.
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August 31, 2004

(Date)


Nancy W. Vensko, Reg. No. 36,298

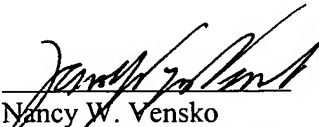
TRANSMITTAL LETTER

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with seventy-six (76) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.


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INFORMATION DISCLOSURE STATEMENT

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Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 76 references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

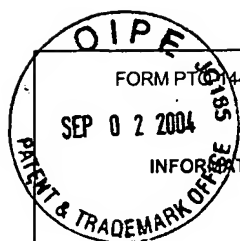
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 8/31/04

By: Nancy W. Vensko

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FORM PTO 449 SEP 02 2004 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. NIH214.001C1	APPLICATION NO. 10/719,547
	APPLICANT Whitehead et al.		
	FILING DATE November 21, 2003	GROUP 1648	

U.S. PATENT DOCUMENTS

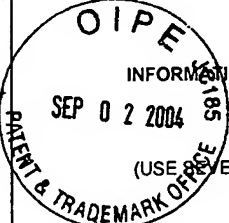
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	US 6,074,865	06/13/2000	Kelly et al.			
	2.	US 6,455,509	09/24/2002	Kochel et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	3.	Angsubhakorn, S. et al. 1994 "Dengue-3 (16562) PGMK 33 vaccine: neurovirulence, viremia and immune responses in <i>Macaca fascicularis</i> ," <i>Southeast Asian J. Trop. Med. Public Health</i> 25:554-559.
	4.	Bancroft W.H. et al. 1981 "Dengue-2 vaccine: virological, immunological, and clinical responses of six yellow fever-immune recipients," <i>Infect. Immun.</i> 31:698-703.
	5.	Bancroft, W.H. et al. 1984 "Dengue virus type 2 vaccine: reactogenicity and immunogenicity in soldiers." <i>J. Infect. Dis.</i> 149:1005-1010.
	6.	Bhamarapravati, N. et al. 2000 "Live attenuated tetravalent dengue vaccine." <i>Vaccine</i> 18(Suppl. 2):44-47.
	7.	Bhamarapravati, N. et al. 1997 "Live attenuated tetravalent dengue vaccine, p. 367-377. In D. J. Gubler, and G. Kuno (ed.), <i>Dengue and Dengue Hemorrhagic Fever</i> . CAB International, New York, N.Y.
	8.	Bhamarapravati N. et al. 1987 "Immunization with a live attenuated dengue-2-virus candidate vaccine (16681-PDK 53): clinical, immunological and biological responses in adult volunteers," <i>Bull World Health Organ.</i> 65:189-195.
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	12.	Bray, M. et al. 1991 "Construction of intertypic chimeric dengue viruses by substitution of structural protein genes," <i>PNAS USA</i> 88:10342-10346.
	13.	Burke, D.S. et al. 1988 "A prospective study of dengue infections in Bangkok." <i>Am. J. Trop. Med. Hyg.</i> 38:172-180.

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. NIH214.001C1	APPLICATION NO. 10/719,547
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	14. Butrapet, S. et al. 2000 "Attenuation markers of a candidate dengue type 2 vaccine virus, strain 16681 (PDK-53), are defined by mutations in the 5' noncoding region and nonstructural proteins 1 and 3." <i>J. Virol.</i> 74:3011-3019.
	15. CDC, 2000 "Public Health Dispatch: Outbreak of poliomyelitis – Dominican Republic and Haiti, 2000" <i>MMWR Morb. Mortal Wkly. Rep.</i> 49:1094-1104.
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	31.	Halstead, S.B. et al. 1969 "Dengue and chikungunya virus infection in man in Thailand, 1962-1964. IV. Epidemiologic studies in the Bangkok metropolitan area." <i>Am. J. Trop. Med. Hyg.</i> 18:997-1021.
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	50.	Marianneau, P. et al. 1996 "Dengue 1 virus binding to human hepatoma HepG2 and simian Vero cell surfaces differs." <i>J. Gen. Virol.</i> 77:2547-2554.
	51.	Martin, J. et al. 2000 "The vaccine origin of the 1968 epidemic of type 3 poliomyelitis in Poland," <i>Virology</i> 278:42-49.
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	61.	Rosen, L. et al. 1999 "Detection of dengue virus RNA by reverse transcription-polymerase chain reaction in the liver and lymphoid organs but not in the brain in fatal human infection." <i>Am. J. Trop. Med. Hyg.</i> 61:720-724.
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	68.	Troyer, J.M. et al. 2001 "A live attenuated recombinant dengue-4 virus vaccine candidate with restricted capacity for dissemination in mosquitoes and lack of transmission from vaccinees to mosquitoes," <i>Am. J. Trop. Med. Hyg.</i> 65:414-419.
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